



CITRUS

MATURITY TEST RESULTS

National Agricultural
Statistics Service

In Cooperation with the Florida Department of Agriculture & Consumer Services

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Results of the first orange and grapefruit maturity tests for the 2006-07 season are listed below. Only regular bloom fruit is selected for these tests which will continue on a monthly basis throughout the season. Fruit was picked from trees of various ages throughout the five areas of the citrus growing region on August 29-30, 2006.

Fruit was weighed, juiced, and tested in the Orlando laboratory on August 31 to September 1. Over three-fourths of the white and colored grapefruit sample groves are located in the Indian River District while nearly 90 percent of the early-midseason orange sample groves are in the other four areas. Sample groves and trees remain relatively constant from season to season.

MATURITY AND YIELD TEST RESULTS: Unadjusted averages for regular bloom fruit from sample groves for crop years 2002-03 through 2006-07

Type of fruit Crop year	Sample Groves	Acid	Soluble Solids	Ratio	Juice Per box	Solids Per box
	Number	Percent			Pounds	
Early Oranges						
September 1						
2002-03	120	1.29	9.41	7.46	45.30	4.26
2003-04	120	1.21	9.34	7.85	42.64	3.98
2004-05	120	1.62	9.31	5.85	42.42	3.95
2005-06	120	1.81	9.31	5.20	39.25	3.65
2006-07	120	1.70	9.45	5.66	42.50	4.00
Midseason Oranges						
September 1						
2002-03	55	1.42	9.03	6.46	45.90	4.14
2003-04	55	1.43	9.35	6.63	44.12	4.15
2004-05	54	1.80	9.02	5.11	42.00	3.79
2005-06	55	1.98	9.10	4.66	39.48	3.59
2006-07	55	1.81	9.29	5.25	42.81	3.98
White Seedless Grapefruit						
September 1						
2002-03	49	1.56	9.69	6.24	34.63	3.36
2003-04	50	1.55	9.53	6.18	34.78	3.31
2004-05	50	1.71	9.54	5.60	32.69	3.12
2005-06	50	1.77	9.91	5.61	29.61	2.93
2006-07	50	1.86	10.47	5.63	32.12	3.36
Colored Seedless Grapefruit						
September 1						
2002-03	50	1.54	10.14	6.63	36.12	3.66
2003-04	50	1.49	9.79	6.58	34.84	3.41
2004-05	50	1.67	9.74	5.84	33.69	3.28
2005-06	50	1.77	10.13	5.73	30.39	3.08
2006-07	50	1.85	10.43	5.64	32.04	3.33

Acid levels are higher than observed in any of the past four seasons on white and colored grapefruit. Soluble solids for early oranges, and white and colored grapefruit is higher than any of the last four seasons, while soluble solids on midseason oranges is higher than three of the last four seasons.

Juice per box is about average for oranges and lower than average for grapefruit. Solids per box is about average for all fruit tested except white grapefruit which is higher.

Results on this page are averages for the State. The table on page two reports averages for the Indian River District separately from the other areas.

The next maturity and yield test results will be published in the October forecast release, and will include late oranges.

MATURITY TEST RESULTS: Averages by areas, 2006-07 season, September 1, 2006

Fruit type	Groves Sampled	Acid	Solids (Brix)	Ratio	Unfinished Juice per box	Solids Per box
	Number	Percent			Pounds	
ORANGES:						
EARLY						
Indian River Dist.	9	1.69	9.87	5.93	43.72	4.30
Other Areas	111	1.70	9.41	5.64	42.40	3.98
MIDSEASON						
Indian River Dist.	10	1.76	9.32	5.45	43.37	4.04
Other Areas	45	1.82	9.28	5.20	42.69	3.97
GRAPEFRUIT:						
WHITE SEEDLESS						
Indian River Dist.	38	1.90	10.66	5.63	31.96	3.40
Other Areas	12	1.76	9.89	5.64	32.62	3.23
COLORED SEEDLESS						
Indian River Dist.	40	1.88	10.56	5.63	31.52	3.32
Other Areas	10	1.75	9.90	5.66	34.10	3.37

